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Tr

SEED CATALOG

CONIFEROUS

SPRUCES

FIRS

LARCHES

HEMLOCKS

OTHER EVERGREENS

BROADLEAF, DECIDUOUS

AND SHRUBS

Telephone HEmlock 4-5708

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U. S. Department of Agriculture

PRICE LIST

FALL & WINTER

1958 — 1959

FORESTRY ASSOCIATES

Registered Dealer, Penna. Dept. of Agriculture

Imported and Domestic Tree and Shrub Seeds

P. O. BOX 1069 ALLENTOWN, PENNA.

TERMS and CONDITIONS

This list cancels all previous offers effective September 15, 1958. Prices quoted are fob Allentown, Penna., including packing (except export orders). Unless otherwise specified, prices for one half and one quarter pound lots are based upon the proportional pound rate; for example, seeds costing \$5.00 per pound would cost 50 cents per ounce, or \$1.25 for quarter pound, plus postage. Please remit full value of purchase (INCLUDING POSTAGE) with order. Shipments made on open account providing satisfactory credit arrangements have been made in advance.

On orders amounting to \$10.00 or over, a cash discount of 2% is allowed. Orders totaling less than \$5.00 are subject to a 25 cent handling charge. Invoices are due when rendered unless otherwise specified.

Orders are accepted subject to final crop outcome. In event of crop failures or short supplies, deliveries will be made in sequence orders are received. We reserve the right to return orders received in excess of our supplies. Some seeds are perishable and cannot be stored over the winter months. Such seed items must be ordered either before collection begins or while supplies are available.

Shipments travel at customers risk after our release to carriers. Any claims for damages incurred in transit must be made to carrier. All shipments sent parcel post will be insured.

Forestry Associates guarantees the origin, strain and year of seed to be as quoted herein. "Certificate of Origin" will be furnished upon request. All seeds are tested for germination and purity and such information is attached to each seed lot sold. Contents tags comply with the laws of the states of Penna., Michigan and New York.

Shipments should be examined carefully after arrival for appearance and shortages. No claims will be honored after customer has stored or planted seeds.

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

NOTICE TO ALL PENNSYLVANIA CUSTOMERS

Under Pennsylvania laws, all sales made within the Commonwealth are subject to a 3% sales tax. This law applies regardless if seed is purchased from a dealer within this state or from sources outside Pennsylvania.

There are exemptions to this law covering commercial nurserymen and growers. We quote the following from the Bureau of Sales and Use Tax:

TR-226—Personality Used or Consumed Directly in Farming, Dairying, Agriculture, Horticulture or Floriculture.

- (1) "Farming." For the purpose of this regulation the term "Farming shall include Dairying, Agriculture, Horticulture and Floriculture, each of which for the purpose of this regulation is defined as follows:
- (2) "Horticulture" is the activity, engaged in as a business, of producing vegetables, vegetable plants, fruits, or nursery stock and includes the operation of commercial vegetable greenhouse or nursery.
- (3) "Floriculture" is the activity, engaged in as a business, of producing flowers, plants or trees, either in a field, nursery or greenhouse.

If you are a commercial nurseryman or grower, you must file an EXEMPTION CERTIFICATE with us to be exempt from tax payment. We are required by law to retain this certificate in our files at all times. (A-Sec. 546 (c)).

If you do not have a copy of this exemption certificate, we shall be happy to forward same upon request.

PINES

	Price Per Pound
PINUS BANKSIANA, Jack Pine (Lake States) (CS)	7.00
PINUS CARIBAEA, Slash pine (S. Carolina) (CS)	5.50
PINUS CEMBRA, Swiss stone pine (Austria) (CS)	1.50
PINUS CONTORTA, Lodgepole pine (Rocky Mts.) (CS)	11.50
PINUS DENSIFLORA, Japanese red pine (Japan) (CS)	2.75
PINUS ECHINATA, Shortleaf pine (Virginia) (CS)	10.00
PINUS EDULIS, Colorado pinyon pine (CS)	4.00
PINUS FLEXLIS, Limber pine (Colorado) (CS)	3.00
PINUS KORAIENSIS, Korean pine (Orient) (CS)	3.75
PINUS MUGHO MUGHUS, Dwarf mugho pine (Alps) (CS)	6.25
PINUS MUGHO var PUMILO, Dwarfest of mugho pines (Austrian Alps) (CS)	8.25
PINUS NIGRA, Austrian pine (Austrian Alps) (CS)	2.50
PINUS NIGRA, Austrian pine (French highlands) (Noted for its superior form and short needles) (CS)	3.25
PINUS PALUSTRIS, Longleaf pine (CS)	3.00
PINUS PARVIFOLIA, Japanese white pine (CS)	4.00
PINUS PONDEROSA, Ponderosa pine (Colorado) (CS)	4.00
PINUS PONDEROSA var SCOPOLORUM (Montana) (CS)	3.75
PINUS PUMILA, Japanese stone pine (Japan) (CS)	5.00
PINUS RESINOSA, Red or Norway pine (Lake States) (CS)	13.00
PINUS RESINOSA, Red pine (Penna.) (CS)	13.00
PINUS RIGADA, Pitch pine (Penna.) (CS)	5.00
PINUS STROBUS, Eastern white pine (Lake States) (CS)	6.00
PINUS STROBUS, Eastern white pine (Penna.) (CS)	7.00
PINUS STROBUS, Eastern white pine (New England) (CS)	6.00
PINUS SYLVESTRIS, Scotch pine (Austria) (CS)	6.50
PINUS SYLVESTRIS, Belgium (CS)	5.00
PINUS SYLVESTRIS, Scotch pine (Belgium Lowlands) (CS)	5.00
PINUS SYLVESTRIS, Scotch pine (Race DeNoble Auvergne, France) (CS)	5.25
PINUS SYLVESTRIS, Scotch pine (French highlands to 3500 ft.) (CS)	5.50
PINUS SYLVESTRIS, Scotch pine (North German plains) (CS)	10.00
PINUS SYLVESTRIS, Scotch pine (Italy) (CS)	6.00
PINUS SYLVESTRIS, Scotch pine (Spain) (CS)	8.50
PINUS SYLVESTRIS, Scotch pine (England) (CS)	6.50
PINUS SYLVESTRIS, Scotch pine (Yugoslavia) (CS)	9.00
PINUS SYLVESTRIS, Riga Scotch pine (Germany) (CS)	5.25
PINUS TAEDA, Loblolly pine (CS)	3.00
PINUS THUNBERGI, Japanese Black pine (Japan) (CS)	3.00

SPRUCES

PICEA ABIES, Norway spruce (Austria) (CS)	4.50
PICEA ABIES, Norway spruce (Belgium) (CS)	4.50
PICEA ABIES, Norway spruce (Central Alps) (CS)	5.00
PICEA ABIES, Norway spruce (Germany) (CS)	4.50
PICEA ABIES, Norway spruce (Italy) (CS)	4.50
PICEA ABIES, Norway spruce (Lake States) (CS)	6.00
PICEA ABIES, Norway spruce (Tryolean Mtns.) (CS)	5.00
PICEA ALBERTINA, GLAUCA, alberta white spruce (CS)	11.00
PICEA CANADENSIS, White spruce (Lake States) (CS)	14.00
PICEA CANADENSIS, White spruce (Adirondacks) (CS)	14.00
PICEA DENSATA GLAUCA, Black Hills spruce (CS)	9.00
PICEA ENGELMANNI, Engelmann spruce (Colorado) (CS)	8.00

PICEA GLAUCA, White spruce (N. Europe) (CS)	4.00
PICEA JEZOENSIS HONDOENSIS, Hondo spruce (Japan) (CS)	10.00
PICEA MARIANA, Black spruce (Lake States) (CS)	30.00
PICEA POLITA, Tigertail spruce (Japan) (CS)	10.00
PICEA PUNGENS GLAUCA, Colorado blue spruce (Colorado)	8.50
PICEA PUNGENS GLAUCA, Blue spruce (A select strain from the Kiabab Mountains of Utah. Excellent color) (CS)	9.25
PICEA RUBENS, Red spruce (Lake States) (CS)	20.00
PICEA RUBENS, Red spruce (1957 crop Adirondacks) (CS)	16.00

FIRS

ABIES ALBA, Silver fir (Europe) (CS)	2.50
ABIES BALSAMEA, Balsam fir (Lake States) (CS)	5.50
ABIES BALSAMEA, Balsam fir (New England) (CS)	5.50
ABIES CONCOLOR, Concolor fir (Colorado to 6000 feet) (CS)	4.00
ABIES CONCOLOR, Concolor fir (Colorado to 9000 feet) (CS)	4.25
ABIES CONCOLOR, Concolor fir (Kiabab Mtns. Utah)	3.00
ABIES FIRMA, Japanese fir (Japan) (CS)	4.00
ABIES FRASERI, Fraser fir (N. Carolina) (CS)	10.00
ABIES GRANDIS, Grand fir (CS)	6.00
ABIES LASIOCARPA, Alpine fir (Colorado) (CS)	4.50
ABIES LASIOCARPA var ARIZONICA, Corkbark fir (CS)	6.50
ABIES MAGNIFICA SHASTENSIS, Shasta red fir (CS)	5.00
ABIES SACHALINENSIS, Sakhalin fir (Orient) (CS)	4.50
ABIES VEITCHII, Veitch fir (Orient)	4.00
PSEUDOTSUGA CAESIA, Douglas fir (Shuswap Lake, Canada)	15.00
PSEUDOTSUGA MENZIESII, Douglas fir (Snowy Mts. Montana)	xxxx
PSEUDOTSUGA MENZIESII, Douglas Fir (E. Washington) (CS)	12.00
PSEUDOTSUGA TAXIFOLIA GLAUCA, Douglas fir (Colorado)	xxxx

All douglas fir are in short supply this season, with the poorest crop reported in the past decade. While we will endeavor to secure as much seed as possible, there will not be enough to meet demand this season. We ask you to write for quotations on amounts needed. There is still chance that additional supplies may be found.

LARCHES

LARIX DECIDUA, European larch (CS)	6.00
LARIX LEPTOLEPIS, Japanese larch (Japan) (CS)	5.00

HEMLOCKS

TSUGA CANADENSIS, Eastern hemlock (Penna) (CS)	15.00
TSUGA CANADENSIS, Eastern hemlock (Lake States) (CS)	14.00
TSUGA CANADENSIS, Eastern hemlock (Adirondacks) (CS)	15.00
TSUGA DIVERSIFOLIA, Japanese hemlock (Japan) (CS)	10.00
TSUGA SIEBOLDI, Siebold hemlock (Japan) (CS)	10.00

OTHER EVERGREENS

BIOTA ORIENTALS, Chinese arborviate (CS)	2.50
CRYPTOMERIA JAPONICA, Jap red cedar (Japan) (CS)	2.75
JUNIPERUS CHINENSIS, Chinese juniper (CS)	5.00
JUNIPERUS PROCUMBENS, Japanese creeping juniper (CS)	6.00
JUNIPERUS SCOPULORUM, Silver juniper (CS)	5.00
JUNIPERUS RIGIDA, Needle Juniper (CS)	4.25
JUNIPERUS VIRGINIANA, Easter red cedar (CS)	4.75
TAXUS CUSPIDATA, Japanese yew (CS)	2.25

TAXUS BACCATA, English Yew (CS)	2.50
TAXUS FASTIGIATA, Irish Yew (CS)	xxxx
THUJA PLICATE, Great western arborviate (CS)	9.50
THUJA OCCIDENTALIS, American arborviate (CS)	7.00

BROADLEAF, DECIDIOUS AND SHRUBS

ACER ARGUTUM, Hemp-leaf maple (Japan) (CS)	3.75
ACER CARPINIFOLIUM, Hornbeam maple (Japan) (CS)	3.75
ACER NEGUNDO, Box elder (Penna.) (W) . . . . .	.35
ACER NIGRUM, Black maple (Penna.) (W) . . . . .	.75
ACER PALMATUM, Small seeded Japanese maple (Japan)	4.50
ACER PALMATUM, Large seeded maple (Japan) (CS)	6.00
ACER PALMATUM ATROPURPUREUM (Japan) (CS)	6.00
ACER PALMATUM ATROPURPUREUM DISSECTUM, Thread- leaf maple (Japan) (CS)	9.75
ACER PLATANOIDES, Norway maple (Pa.) (W) . . . . .	.50
ACER PSEUDOPLATANUS, Sycamore maple (N.E.) (W) . . . . .	.75
ACER SACCHARUM, Sugar maple (Lake States, Pa. or NE.) (W)	1.00
AESCULUS HIPPOCASTANUM, Horsechestnut (For fall plant- ing only) (CS) . . . . .	.35
AILANTHUS ALTISSIMA, Tree of Heaven (W)	1.00
AMELAENCHIER ASIATICA, Asiatic juneberry (Japan) (CS)	4.75
AMELAENCHIER CANADENSIS, Lowland juneberry (Pa.) (CS)	sold
BETULA LENTA, black birch (Pa.)	5.00
BETULA LUTEA, Yellow birch (CS)	5.00
BETULA PAPIYIFERA, Paper birch (CS)	10.50
BETULA JAPACONICA, Japanese white birch (CS)	4.50
BETULA PENDULA (alba) European white birch (CS)	2.00
BETULA POPULIFOLA, Gray birch (Pa.) (CS)	5.00
CAMELLIA JAPANOICA, Japanese camellia (CS)	2.50
CAMELLIA SASANQUA, Sasanqua tea (CS)	2.50
CAMELLIA SINENSIS, Tea tree (CS)	2.00
CARYA OVATA, Shagbark hickory (CS) . . . . .	.50
CARYA TOMENTOSA, Mockernut hickory (CS) . . . . .	.35
CASTANEA MOLLISSIMA, Chinese chestnuts (CS) . . . . .	.65
(Hemming strain, from selected trees)	
CELASTRUS SCADENS, Am. bittersweet (CS)	5.00
CARPINUS CORDATA, Cordate hornbeam (CS)	4.50
CARPINUS JAPANOICA, Japanese hornbeam (CS)	4.50
CATAPLA KAEMPEFRI, (ovata) Chinese catapla (CS)	4.50
CATAPLA SPECIOSA, Northern catapla (CS)	2.50
CELTIS OCCIDENTALIS, Hack berry (DB) . . . . .	.90
CERCIS CANADENSIS, Red bud or Judas tree (CS)	2.25
CERCIS SINENSIS, Chinese redbud (CS)	3.00
CORNUS AMOMUM, Silky dogwood (CS)	1.25
CORNUS CONTROVESA, Giant dogwood	3.50
CORNUS FLORIDA, Flowering dogwood (CS)	2.50
CORNUS KOUSA, Kousa dogwood (CS)	3.25
CORNUS STOLONIFERA, Red osier dogwood (CS)	2.50
CORNUS RACEMOSA, Gray-stemmed dogwood (CS)	2.00
CRATAEGUS MOLLIS, Downy hawthorne (CS)	3.00
CRATEAGUS PUNCTATA, Dotted hawthorne (CS)	3.50
CYDONIA JAPONICA PYGMAEA, Dwarf flowering quince (CS)	4.25
CYDONIA SINENSIS, Chinese flowering quince (CS)	4.25
DIOSPYROS VIRGINIANA, Common persimmon (CS)	1.50
ELAEAGNUS ANGUSTIFOLIA, Russian olive (CS)	xxxx
ELAEAGNUS COMMUTATA, Silverberry (CS)	2.50

ELAEAGNUS PUNGENS, Thorny eleagnus (CS)	3.25
ELAEAGNUS MULTIFLORA, Cherry elaeagnus (CS)	3.25
ELAEAGNUS UMBELLATA, Autumn elaeagnus (CS)	3.25
EUONYMUS ALATUS, Winged euonymus	3.50
EUONYMUS RADICANS, Creeping euonymus (CS)	4.00
EUONYMUS SIEBOLDIANA, Siebold euonymus (CS)	3.25
FAGUS GRANDIFOLIA, Beechnut (CS)	xxxx
FRAXINUS AMERICANA, White ash (Pa.)	1.00
FRAXINUS PENNSYLVANCIA, Red ash (Pa.)	1.00
FRAXINUS PENNSYLVANCIA, var. LANCELOTA, Green ash	1.00
GLEDISTIA TRIACANTHOS, Common honeylocust (CS)	1.35
GLEDISTIA TRIACANTHOS INERMIS, Thornless honeylocust	1.00
HAMAMELIS JAPONICA, Japanese witch-Hazel (CS)	5.50
HAMAMELIS VIRGINIANA, Common witch-Hazel (CS)	5.50
HIBISCUS SYRIACUS, Rose of Sharon (CS)	3.50
HOVENIA DULCIS, Japanese Rasintree (CS)	2.75
HYDRANGEA PANICULATA, Panicle Hydrangea (CS)	11.00
HYDRANGEA PETIORALIS, (scandens) Climbing Hydrangea	11.00
JUGLANS CINEREA, Butternuts (CS) . . . . .	.50
JUGLANS NIGRA, Black Walnut (CS) . . . . .	.50
JUGLANS SIEBOLDIANA, Siebold Walnut (CS) . . . . .	.60
LAGERSTROEMIA, Pink-myrtle (Pink flowers) per ounce	1.25
LAGERSTROEMIA, Pink-myrtle (White flowers) per ounce	1.25
LINDERIA BENZOIN, Spice bush (DB)	2.50
LINGSTRUM AMURENSE, Amur privet (CS)	2.50
LONICERA TATARICA, Tatarian honey suckle (CS)	4.50
MAGNOLIA HYPOLEUCA, (obvata) Silver Magnolia (CS)	4.25
MAGNOLIA KOBUS, Japanese Magnolia (CS)	4.25
MAGNOLIA LILIFLORA, Purple Magnolia (CS)	6.75
MAGNOLIA PARVIFLORA, Japanese pink Magnolia (CS)	6.50
MALUS SYLVESTRIS, French crabapple (CS)	3.00
MALUS SIEBOLDI, Toringo (CS)	5.75
MALUS ZUMI, Zumi crabapple (CS)	7.25
NANDINA DOMESTICA, Red Berried (CS)	2.50
NANDINA DOMESTICA, White berried (CS)	3.25
OSTRYA VIRGINIANA, Am. Hornbehm (Penna.) (CS)	5.00
PARTHENOCISSUS QUINQUEFOLIA, Virginia creeper (CS)	1.50
PHOTINA GLABRA, Japanese Hawthorne (CS)	4.00
PHOTINA VILLOSA, Oriental Hawthorne (CS)	3.50
PHYSOCARPUS OPULIFOLIUM, Common ninebark (CS)	5.50
PLANTUS OCCIDENTALIS, Am. Sycamore (Crop failure) (CS)	

PRUNUS

It is un-lawful for such seed items as Prunus Mahaleb, etc. to enter into the state of Pennsylvania at any time. For customers outside Penna., we can ship quantity lots direct from the Port of New York. No orders can be accepted for customers in Pennsylvania.

PRUNUS MAHALEB, Mahaleb cherry (CS)	2.25
PRUNUS VIRGINIANA, Choke cherry (Penna) (CS)	1.50
PRYUS COMMUNIS, Common pear (France) (CS)	4.50
PYRUS MALUS, Wild apple (Europe) (CS)	4.00
QUERCUS ALBA, White oak (Fall orders only) (CS) . . . . .	.40
QUERCUS BOREALIS, Northern red Oak (CS) . . . . .	.25
QUERCUS BOREALIS var. MAXIMA, Eastern Red Oak (CS) . . . . .	.25
QUERCUS MACRACAPRA, Bur oak acorns . . . . .	.60
QUERCUS VELUTINA, Black oak acorns . . . . .	.65

RHUS AROMATICA, Fragrant Sumac (CS)	4.00
RHUS TYPHINA, Staghorn Sumac (CS)	1.25
ROBONIA PSEUDOACACIA, Black Locust (U. S.) (CS)	1.25
ROBONIA PSEUDOACACIA, Black Locust (Europe) (CS)	1.00
ROSA BLANDA, Meadow Rose (CS)	3.50
ROSA MULTIFLORA, Multiflora rose (thorny) Japan (CS)	1.25
ROSA RUGOSA, Rugosa Rose (CS)	2.75
ROSA WICHURAIANA, Wichura Rose (CS)	2.75
SASSAFRASS ALBIDUM, Common Sassafrass (DB)	2.00
SHEPHERIDA ARGENTIA, Buffalo Berry	2.75
STYRAX JAPINICA, Japanese Snowbell (CS)	2.00
STYRAX OBASSIA, Fragrant Snowbell (CS)	3.00
SYMPHORICARPUS ORBICULATUS, Coralberry (Penna.) (CS)	5.50
SYRINGIA JAPONICA, Japanese lilac (CS)	5.50
TILIA AMERICANA, Am. Basswood (DB)	1.25
TILIA CORDATA, European Linden (DB)	1.50
TILIA JAPONICA, (cordata) Japanese Linden (CS)	2.90
ULMUS AMERICANA, Am. Elm (CS)	1.00
ULMUS PUMILA, Chinese Elm (CS)	4.25
VIBURNUM ACERIFOLIUM, Maple-leaved Viburnum (CS)	2.00
VIBURNUM DILATATUM, Linden Viburnum (CS)	2.50
VIBURNUM ODORATISSIMUM, Sweet Viburnum (CS)	4.25
VIBURNUM PRUNIFOLIUM, Black haw (Penna) (CS)	1.75
VIBURNUM SIEBOLDI, Siebold Viburnum (CS)	4.00
VIBURNUM TOMENTOSUM, Doublefile Viburnum (CS)	4.00
VIBURNUM TRILOBUM (American) (Penna.) (CS)	5.25
VIBURNUM WRIGHTII, Wright Viburnum (CS)	4.00
VITIS VULPINA, Frost grape (Pa.) (CS)	2.75

AZALEA JAPONICA, Japanese azalea	Pkt. \$1.00	1/4 oz.	3.00
AZALEA KAEMPFERI, Red azalea		1/32 oz.	1.00
KALMIA LATIFOLIA, Mountain laurel	Pkt. \$1.00	oz.	2.00
RHODODENDRON CAROLINIAUM, Carolina	Pkt. 1.00	1/8 oz.	2.00
RHODODENDRON CATAWBIENSE, Catawab	Pkt. 1.00	1/4 oz.	2.00
RHODODENDRON MAXIM, Rose day	Pkt. 1.00	1/4 oz.	3.00
RHODODENDRON CALENDULACEUM, Flame		Pkt.	1.00
RHODODENDRON NUDIFLORUM, Pink		Pkt.	1.00
RHODODENDRON CANADENSE		Pkt.	1.00

We Purchase Tree and Shrub Seeds of All Kinds. Write For Details

ABBREVIATIONS

(CS) Clean seed (DB) Dried berries (DH) Dried hips (B) Balls
(Pa.) Penna. seed (L.S.) Lake States seed (ADR.) Adirondack Mt. seed
(NE) New England seed.

SCOTCH PINE DATA

FOR

CHRISTMAS TREE GROWERS

WHAT ARE THE BEST STRAINS: No one seems to have the answer to this important question. While one particular strain may do well in a certain region, it may not fare as well in another. State Forestry departments, Christmas tree growers and others are trying to follow the present sources in the field. It is hoped that within a matter of 5 to 10 years some definite information will be available.

WHAT STRAINS SHOW THE BEST COLOR: Strains from the Baltic countries which include Norway, Sweden, Finland and parts of Poland, etc. are the extreme types, both as to slower rate of growth and yellowing during the winter in this climate. Strains from the extreme Southern types including parts of France, Germany, Yugoslavia, Austria, Italy and Spain are faster growing and retain a more green or bluish-green color.

WHAT STRAINS SHOW THE BEST FORM: While the strains from the Baltic countries tend to grow the tallest and retain the best form, they are also the poorest for winter color. Scotch pine in its native range grows from the extreme Northern part of Europe down to the tip of Southern Italy. Generally in the Southern advance, form becomes poorer as the color quality increases.

GENERAL CONCLUSIONS: Since winter colors are the deciding factor to good Christmas trees, the following observations have been the general rule on most cold weather inspections on American plantations:

1. Decidedly blue-green: Belgium, Holland, Spain and Scotland
2. Bluish-green: Baltic States, coastal Germany and Holland
3. Light blue-green: South Poland, Hungary, Germany, Central Europe, Northern Italy and Roumania
4. Dark green: Italy, Southern Germany, Austria and Yugoslavia
5. Dull yellowish-green: Central Sweden, Poland and extreme Northern Germany
6. Yellow-green: North Finland, Sweden and Norway